

**Claims:**

1.

A carburetor, comprising:

a body having a fuel and air mixing passage formed therein and an opening in fluid communication with the fuel and air mixing passage;

a fuel metering assembly carried by the body and including a fuel metering diaphragm that defines at least part of a fuel chamber that is communicated with the opening; and

a groove formed in the body and open to the fuel chamber, said groove communicating at one end with the opening so that fluid in the groove is communicated with the fuel and air mixing passage.

2.

The carburetor of claim 1 wherein the body defines an upper wall of the fuel chamber and the groove is formed in the upper wall of the fuel chamber.

3.

The carburetor of claim 1 wherein the vapor groove extends to the opening.

4.

The carburetor of claim 1 which also comprises a plurality of grooves each being formed in the body in communication with the fuel chamber and in communication with the opening.

5.

The carburetor of claim 4 wherein at least two grooves are provided with each groove extending radially outwardly from the opening and being circumferentially spaced apart from each other.

6.

The carburetor of claim 1 which also comprises a fuel jet carried by the body in the opening such that the fuel chamber is communicated with the fuel and air mixing passage through the fuel jet, and said groove is communicated with the fuel and air mixing passage through the fuel jet.

7.

The carburetor of claim 1 wherein the groove extends from an outward end spaced from the opening to an end adjacent to the opening, with the outward end extending outwardly from the edge of the portion of the fuel chamber defined by the body.

8.

The carburetor of claim 1 wherein the fuel chamber is defined in part by a recess in the body that has a narrowing wall and an upper wall and the groove is formed in at least a portion of both the narrowing wall and the upper wall.

9.

The carburetor of claim 8 wherein the groove has a substantially constant depth in said narrowing wall.

10.

The carburetor of claim 8 wherein the groove has a depth in the upper wall that is greater than the depth in the narrowing wall.

11.

The carburetor of claim 10 wherein the depth of the groove in the upper wall increases as the groove extends from the narrowing wall to the opening.

12.

The carburetor of claim 1 wherein the opening is defined by a recess formed in the carburetor body.

13.

The carburetor of claim 1 which also comprises a fuel nozzle carried by the body and having an orifice in communication with the fuel chamber and the fuel and air mixing passage so that fuel in the fuel chamber flows into the fuel and air mixing passage through the orifice, and the groove is communicated with the orifice so fluid in the groove flows into the fuel and air mixing passage through the orifice.